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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/830,810
				Filing Date	October 28, 1999
				First Named Inventor	Martin M. Matzuk
				Art Unit	1653
				Examiner Name	J. Olsen
Sheet	1	of	4	Attorney Docket Number	HO-P01925US1

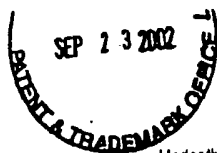
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
AD	AA	5801016-	09-01-1998	Morioka et al.	
AD	AB	5547854-	08-20-1996	Donahoe et al.	
AD	AC	5563059-	10-08-1996	Alak et al.	
AD	AD	5661126-	08-26-1997	Donahoe et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
AD	BA	-WO98/40483-	09-17-1998	Human Genome Sciences, Inc.		

Examiner Signature		Date Considered	4-9-04
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PTO/SB/08B (10-01)

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		Group Art Unit	1653		
		Examiner Name	J. Olsen		
Sheet	2	of	4	Attorney Docket Number	HO-P01925US1

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AD	CA	Elvin, Julia A., et al.; Paracrine Actions of Growth Differentiation Factor-9 in the Mammalian Ovary; Molecular Endocrinology, Vol. 13, No. 6, 1999	
AD	CB	Elvin, Julia A., et al.; Molecular Characterization of the Follicle Defects in the Growth Differentiation Factor 9-Deficient Ovary; Molecular Endocrinology, Vol. 13, No. 6; 1999	
AD	CC	Matzuk, Martin M., et al.; Transgenic Models to Study the Roles of Inhibins and Activins in Reproduction, Oncogenesis, and Development; Recent Progress in Hormone Research, Vol. 51	
AD	CD	Ohsumi, Keita, et al.; Characterization of the Ooplasmic Factor Inducing Decondensation of and Protamine Removal from Toad Sperm Nuclei: Involvement of Nucleoplasmin; Developmental Biology; Vol. 148; 1991	
AD	CE	Philpott, Anna, et al.; Nucleoplasmin Remodels Sperm Chromatin in Xenopus Egg Extracts; Cell; Vol. 69; 1992	
AD	CF	Matzuk, Martin M., et al.; Different phenotypes for mice deficient in either activins or activin receptor type II; Nature; Vol. 374; 1995	
AD	CG	Dong, Jinwen, et al.; Growth differentiation factor-9 is required during early ovarian folliculogenesis; Nature; Vol. 383; 1996	
AD	CH	McGrath, Sharon A., et al.; Oocyte-Specific Expression of Growth/Differentiation Factor-9; Molecular Endocrinology; Vol. 9, No. 1; 1995	
AD	CI	Kumar, T. Rajendra, et al.; Follicle stimulating hormone is required for ovarian follicle maturation but not male fertility; Nature Genetics; Vol. 15; 1997	
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AD	CK	Krohne, Georg, et al.; Immunological identification and localization of the predominant nuclear protein of the amphibian oocyte nucleus; Proc. Natl. Acad. Sci. USA; Vol. 77; 1980	
AD	CL	Matzuk, Martin M., et al.; a Inhibin is a tumour-suppressor gene with gonadal specificity in mice; Nature; Vol. 360; 1992	
AD	CM	Elvin, Julia A., et al.; Growth differentiation factor-9 stimulates progesterone synthesis in granulosa cells via a prostaglandin E2/EP2 receptor pathway; PNAS; Vol. 97, No. 18; 2000	
AD	CN	MacArthur, Craig A., et al.; Npm3: A Novel, Widely Expressed Gene Encoding a Protein Related to the Molecular Chaperones Nucleoplasmin and Nucleophosmin; Genomics; Vol. 42; 1997	
AD	CO	Mills, A. D., et al.; An Acidic Protein Which Assembles Nucleosomes In Vitro is the Most Abundant Protein in Xenopus Oocyte Nuclei; J. Mol. Biol.; Vol. 139; 1980	
AD	CP	Dingwall, Colin, et al.; Nucleoplasmin cDNA sequence reveals polyglutamic acid tracts and a cluster of sequences homologous to putative nuclear localization signals; The EMBO Journal; Vol. 6, No. 1; 1987	
AD	CQ	McLay, David W., et al.; The Ability to Organize Sperm DNA into Functional Chromatin Is Acquired during Meiotic Maturation in Murine Oocytes; Developmental Biology; Vol. 186; 1997	
AD	CR	Carabatsos, Mary Jo, et al.; Characterization of Oocyte and Follicle Development in Growth Differentiation Factor-9-Deficient Mice; Developmental Biology; Vol. 204; 1998	
AD	CS	Philpott, Anna, et al.; Sperm Decondensation in Xenopus Egg Cytoplasm Is Mediated by Nucleoplasmin; Cell; Vol. 65; 1991	
AD	CT	Burglin, Thomas R., et al.; Cloning of nucleoplasmin from Xenopus laevis oocytes and analysis of its developmental expression; Genes & Development; Vol. 1; 1987	

Examiner Signature		Date Considered	4-9-04
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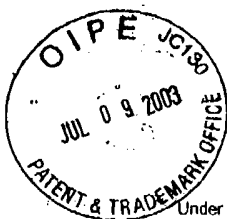
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				First Named Inventor	Martin M. Matzuk
				Group Art Unit	1653
				Examiner Name	J. Olsen
Sheet	3	of	4	Attorney Docket Number	HO-P01925US1

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PTO/SB/08A (10-01)

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		Art Unit	1653		
		Examiner Name	Steven Post		
Sheet	1	of	3	Attorney Docket Number	HO-P01925US1

U.S. PATENT DOCUMENTS					
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		Country Code ² -Number ⁴ -Kind Code ⁵ (if known)				
AD	BA	WO-00/24755-A1	05-04-2000	Baylor College of Medicine		

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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
AD	CA	Wu, X., et al.; Zygote arrest 1 (Zar1) is a novel maternal-effect gene critical for the oocyte-to-embryo transition; Nat Genet. 33(2):187 - 191, February 2003			
AD	CB	Matzuk, M.M., et al.; Genetic dissection of mammalian fertility pathways; Nat Cell Biol. Suppl 4:S41 - 49, October 2002			
AD	CC	Varani, S., et al.; Phenotypic effects of knockout of oocyte-specific genes; Ernst Schering Res Found Workshop (41):63 - 79, 2002			
AD	CD	Matzuk, M. M., et al.; Intercellular communication in the mammalian ovary: oocytes carry the conversation. Science 296 (5576):2178 - 2180; June 21, 2002			
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AD	CF	Yan, C., et al.; Oosp1 encodes a novel mouse oocyte-secreted protein; Genesis 31(3):105 - 110, November 2001			
AD	CG	Lau, A., et al.; Transgenic models in the study of reproduction; Gravit Space Biol Bull. 12(2):75 - 82, May 1999			
AD	CH	Elvin, J.A., et al.; Oocyte-expressed TGF-beta superfamily members in female fertility; Mol Cell Endocrinol 159(1-2):1 - 5, January 25, 2000			
AD	CI	The Sanger Centre, et al.; Toward a Complete Human Genome Sequence; Genome Research 8:1097 - 1108, 1998			

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